

Purchase Order Receipt Listing

Wednesday, October 14, 2015 1:51:38 PM

All amounts are calculated in domestic currency.

All Vendors PO ID PO30089 All Receipt Dates All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Rev Date/ Rev Emp	Rev Qty (PO U/M)	Cost Per Unit/ Rev Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO30089	1		M303R0.625	f	10/16/2015	10/14/2015	12.0000	\$2.25	0.0000	0	\$26.97
CAD	No		303 Round Bar 0.625"	f	12.0000	DCUSER		\$26.97	0.0000	0	
			m133368								
	2		M303R0.750	f	10/16/2015	10/14/2015	60.0000	\$2.66	0.0000	0	\$159.60
	No		303 Round Bar 0.750"	f	60.0000	DCUSER		\$159.60	0.0000	0	
			m133368								
	3		M304R.250	f	10/16/2015	10/14/2015	12.0000	\$2.19	0.0000	0	\$26.23
	No		304 SS Round bar .250	f	12.0000	DCUSER		\$26.23	0.0000	0	
			m133368								
	4		M304R0.375	f	10/16/2015	10/14/2015	12.0000	\$2.19	0.0000	0	\$26.23
	No		304 ROUND BAR 0.375	f	12.0000	DCUSER		\$26.23	0.0000	0	
			m133368								
	7		M606T6B00750X00 f	f	10/16/2015	10/14/2015	60.0000	\$0.44	0.0000	0	\$26.22
	No		.125		60.0000	DCUSER		\$26.22	0.0000	0	
			6061-T6 Bar .750 x .125	f							
			m133368								
	8		M606T6R0.500	f	10/16/2015	10/14/2015	24.0000	\$1.09	0.0000	0	\$26.22
	No		6061-T6 Round Bar .500"	f	24.0000	DCUSER		\$26.22	0.0000	0	
			m133368								

Total Received Quantity: 180.0000
Total Qty to Inspect (PO U/M): 0.0000
Total Reject Quantity: 0.0000
Total Receipt Value: \$291.48
Total Balance Due Quantity: 0.0000

JM 1A

AR sur crate 256

B I L L O F L A D I N G

No: PEC 958598

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 13Oct15 at 15:49 From PFW
 Probill
 Via VIM DELIVERY
 FOB CONCORD
 Frt PREPAID
 Route 0- 0 Manifest
 Vhcle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

Ship To: (1)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7
 Tel: 613-632-9577 Fax: 613-632-1053



B I L L O F L A D I N G

1) Our Order PEC-855606- 1 Your PO # 30089
 Part # STOCK Rel #

STAINLESS STEEL ROUND BAR 303 STAINLESS
 .625" DIA X 144.0000"

Heat Number Tag No
 V9W1 462985

Quantity PCS Wt LBS
 12 FT 1 13

MTR

2) Our Order PEC-855606- 2 Your PO # 30089
 Part # STOCK Rel #

STAINLESS STEEL ROUND BAR 303 STAINLESS
 .750" DIA X 144.0000"

Heat Number Tag No
 V9E0 462986

Quantity PCS Wt LBS
 60 FT 5 90

MTR

3) Our Order PEC-855606- 3 Your PO # 30089
 Part # STOCK Rel #

STAINLESS STEEL ROUND BAR 304L
 .250" DIA X 144.0000"

Heat Number Tag No
 T5C1 462987

Quantity PCS Wt LBS
 12 FT 1 2

MTR

4) Our Order PEC-855606- 4 Your PO # 30089
 Part # STOCK Rel #

STAINLESS STEEL ROUND BAR 304L
 .375" DIA X 144.0000"

Heat Number Tag No
 T5B7 462988

Quantity PCS Wt LBS
 12 FT 1 5

MTR

15/10/14
 sd

Page: 1Continued

ALUMINIUM - LAINON - CUIVRE - PLASTIQUE - ACIER INOX
 ALUMINUM - BRASS - COPPER - PLASTICS - STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

B I L L O F L A D I N G

No: PEC 958598
Ship Date 13Oct15 at 15:49 From PFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

5) Our Order PEC-855606- 5 Your PO # 30089
Part # STOCK Rel #
ALUMINUM SHEET 5052-H32
.0400 Nom X 48.0000" X 120.0000"
Heat Number Tag No
B-12021115 463077

BO

Quantity PCS Wt LBS
40.00 SFT 1 22

MTR

6) Our Order PEC-855606- 6 Your PO # 30089
Part # STOCK Rel #
ALUMINUM SHEET 5052-H32
.0640 Nom X 48.0000" X 96.0000"
Heat Number Tag No
514112965 463078

BO

Quantity PCS Wt LBS
32.00 SFT 1 29

MTR

7) Our Order PEC-855606- 7 Your PO # 30089
Part # STOCK Rel #
ALUMINUM FLAT BAR 6061-T6511
.125" x .750" X 240.0000"
Heat Number Tag No
414599-2 462989

Quantity PCS Wt LBS
60 FT 3 7

MTR

8) Our Order PEC-855606- 8 Your PO # 30089
Part # STOCK Rel #
ALUMINUM ROUND BAR 6061-T6511
.50" DIA X 144.0000"
Heat Number Tag No
514033 462990

Quantity PCS Wt LBS
24 FT 2 6

MTR

TOTAL: Tags PCS LBS
8 15 174

Heat Number
414599-2
514033

*** Chemical Analysis ***

1.10/14

Page: 2Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

B I L L O F L A D I N G

No: PEC 958598

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 13Oct15 at 15:49 From PFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

514112965
B-12021115
T5B7
T5C1
V9E0
V9W1

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL 1 SKID, 2 BDLS GW. 260 LBS

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***

*** TEL. 800-926-2600 ***

* WE STOCK STAINLESS STEEL *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

THYSSENKRUPP MATERIALS NA WILL CONDUCT THEIR
INVENTORY, SEPT. 24 & 25/2015. THERE WILL BE NO
CUSTOMER PICKUPS THOSE DAYS. HOWEVER, THE SALES
OFFICE WILL REMAIN OPEN.

Page: 3 Last

ALUMINUM * TITAN * CUIVRE * PLASTIQUE * ACIER INOX
ALUMINUM * BRASS * COPPER * STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION
TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

DATE

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
STAINLESS STEEL ROUND BAR 303 STAINLESS
625" DIA X 144,000"
PART NO. STOCK

PO/Rel 30089

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-958598-001

13Oct15
Pg 1/1



740 Imperial Road North

METALLURGICAL TEST REPORT

North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

Certificate: 82602 1

Ship To:

Date: 8/04/2015 Page: 1

Customer: 007206 001
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Steel: 303
Finish: CD

Your Order: PEC268105

NAS Order: PN 0054556 03

Corrosion:

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
ASTM A582/12 EN 10204 3.1, ASTM A404/11
AMS 5640V TYPE 1, QQS-764B CONDITION A
SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/REQUIREMENTS OF DEAR 252.225-7009 EU DIRECTIVE
2011/65/EU, ROHS, EAF+AOD+CC, NO WELD REPAIR, MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

DAS
14 15/10/15
9-89

Product Id	Skid #	Diameter	Size	Weight	-----Length-----	Mark	Pieces	Commodity Code
BH3680 8		.6250		1.014	144.00	17	1	

CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# U2323

Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	NI %	MO %	N %	NI %	P %
V9W1	US	.0328	.1380	17.0860	.2735	1.8700	.2945	.0582	8.2580	.0300

S % .3345
SI % .5300

MECHANICAL PROPERTIES

Product Id	Id	HB	NO.	.2YS	UTS	RA	Elong
	CF			KSI	KSI	%	% 4D
BH3680 8	RL	216.0		85.05	102.27	33.60	21.51

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

18880000

THYSSENKRUPP MATERIALS NA

PART AEROSPACE
STAINLESS STEEL ROUND BAR 303 STAINLESS
750" DIA X 144,000"
PART NO. STOCK

PO/Rel 30089

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-958598-002

13Oct15
Pg 1/4



740 Imperial Road North

METALLURGICAL TEST REPORT

North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

Certificate: 80687 7

Mail To:

Customer: 007206 001

THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Ship To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Date: 7/28/2015 Page: 1

Steel: 303

Finish: CD

Your Order: PEC268105

NAS Order: PN 0054556 04

Corrosion:

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
ASTM A582/12 EN 10204 3.1, ASTM A484/11
AMS 5640V TYPE 1, QQS-764B CONDITION A
SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/REQUIREMENTS OF DEAR 252.225-7009 EU DIRECTIVE
2011/65/EU-ROHS. EAF+ADD+CC. NO WELD REPAIR. MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

DAS
14 15/10/15
9-89

Product Id	Std #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BH3396 2		7500		1.104	144.00	7	1	

CHEMICAL ANALYSIS

CM(Country of Met) ES(Spain) US(United States) ZA(South Africa) JP(Japan)
Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323
Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	MM %	MO %	SI %	NI %	P %
V980	US	.0422	.2075	17.0435	.3085	1.8195	.3065	.0458	8.2410	.0285

S % .3515
SI % .6015

MECHANICAL PROPERTIES

Product Id	1 d o l c r	HB No.	.2YS KSI	UTS KSI	RA %	Elong % 4D
BH3396 2	R L	197.0	85.05	111.10	51.00	42.60

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy
of the test methods used, the material meets the specifications stated. These results relate only to the items
tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

ASB

THYSSENKRUPP MATERIALS NA

PORTEL 30089

Certificate of Mill Test Results

STAINLESS STEEL ROUND BAR 303 STAINLESS
7.50" DIA X 144.0000"
PART NO. STOCK

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by:

BL PEC-958598-002

13Oct15
Pg 2/4



METALLURGICAL TEST REPORT

740 Imperial Road North

Certificate: 80687 8

Customer: 007206 001

THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Ship To:

THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

Date: 7/28/2015 Page: 1

Steel: 303

Finish: CD

Your Order: PEC268105

NAS Order: PN 0054556 04

Corrosion:

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
ASTM A582/13 EN 10204 3.1, ASTM A484/11
AMS 5640U TYPE 1, Q08-764B CONDITION A
SOLUTION ANNEAL TEMP 1900F MTN

REMARKS:

COMPLIES W/REQUIREMENTS OF DEAR 252.225-7009 BU DIRECTIVE
2011/65/EU. ROKS. EAF+AD+CC. NO WELD REPAIR. MELTED AND MTG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

DAS
14
9-89

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BH3396 5		7.500		1.104	144.00	8	1	

CHEMICAL ANALYSIS

CM(Country of Mel) ES(Spain) US(United States) ZM(South Africa) JP(Japan)

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# 12323
Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
V9E0	US	.0422	.2075	17.0435	.3085	1.8195	.3065	.0458	8.2410	.0285
		S %	SI %							
		.3515	.6015							

MECHANICAL PROPERTIES

Product Id	1 d	HB	2YS	UTS	RA	Elng
	0.1	NO.	KSI	KSI	%	% AD
BH3396 5	R L	197.0	85.05	111.10	51.00	42.60

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy
of the test methods used, the material meets the specifications stated. These results relate only to the items
tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

ASB

THYSSENKRUPP MATERIALS NA

PART AEROSPACE
STAINLESS STEEL ROUND BAR 303 STAINLESS
1.50" DIA X 144.000"
PART NO. STOCK

PO/Rel 30089

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by: *[Signature]*

BL PEC-958598-002

Certificate of Mill Test Results

130c415
Pg 3/4



740 Imperial Road North

Certificate: 80687 9

Customer: 007206 001

Mail To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Ship To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

Date: 7/28/2015 Page: 1

Steel: 303

Finish: CD

Corrosion:

Your Order: PEC268105

NAS Order: PN 0054556 04

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
ASTM A582/12 EN 10204 3.1, ASTM A464/11
AMS 5640U TYPE 1, Q08-7643 CONDITION A
SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/REQUIREMENTS OF DPAR 252.225-7009 EU DIRECTIVE
2011/65/EU, ROHS, EAF+ADD+CC. NO WELD REPAIR. MELTED AND WEG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

DAS
14
9-89
15/10/15

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BH3396 6		.7500		1.184	144.00	9	1	

CHEMICAL ANALYSIS

CM(Country of Met) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Lab Accreditation Bureau, ISO/IBC 17025, Certificate# 12323
Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	NI %	MO %	M %	P %
V920	US	.0422	.2075	17.0435	.3085	1.8195	.3065	.0456	.0285

S %	SI %
.3515	.6015

MECHANICAL PROPERTIES

Product Id	1 4 0 1 C X	HB No.	.2YS KSI	UTS KSI	RA %	Elng % 4D
BH3396 6	R L	197.0	85.05	111.10	51.00	42.60

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

[Signature]

THYSSENKRUPP MATERIALS NA

PART AEROSPACE

STAINLESS STEEL ROUND BAR 303 STAINLESS
1.50" DIA X 144.0000"
PART NO. STOCK

PO/Rel 30089

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-958598-002

130cd15
Pg 4/4



METALLURGICAL TEST REPORT

740 Imperial Road North

Certificate: 80687 10

Customer: 007206 001

Mail To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Ship To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

Date: 7/28/2015 Page: 1

Steel: 303

Finish: CD

Corrosion:

Your Order: PEC268105

NAS Order: PN 0054556 04

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
ASTM A582/12 EN 10204 3.1, ASTM A484/11
AMS 5640U TYPE 1, QCS-764B CONDITION A
SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/REQUIREMENTS OF DPAR 252-225-7009 EU DIRECTIVE
2011/65/EU, ROHS, WAP+AD+CC. NO WELD REPAIR. NETTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

DAS
14
9-89

15/dls

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BH3396 9		1.500		814	144.00	10	1	

CHEMICAL ANALYSIS

CM(Country of Met) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323
Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
V950	US	.0422	.2075	17.0435	.3085	1.8195	.3065	.0458	8.2410	.0285

S %	SI %
.3515	.6015

MECHANICAL PROPERTIES

Product ID	1 d 0 i 0 r	HB No.	.2YS KSI	UTS KSI	RA %	Elong % 4D
BH3396 9	RL	205.0	86.66	107.80	35.18	20.62

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy
of the test methods used, the material meets the specifications stated. These results relate only to the items
tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

ASH-JEFF BRAVER - 7/28/2015

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
.125" x .750" X 240.0000"
PART NO. STOCK

PO/Rel 30089

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-958598-007

13Oct15

Signed by: 

Pg 1/1

CAN ART

ALUMINUM EXTRUSION INC.

Material Test Report

Manifest: 294689

Ship To: ThyssenKrupp Materials NA
2821 Langstaff Road
Concord, ON L4K 5C6

Ticket:
5422925

Our Order: 414599 - 2

Cust P.O.: 267552

Die: ES05485

Part: 05485-000-240

Alloy Temper: 6061 T6511

Description: .125 x .750

Print Date: 6/16/15

DAS
14 15/10/15
9-89

Chemical Composition Range

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	OtherEach	OtherTotal
Min	0.40		0.15		0.8	0.04				
Max	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	0.15

Mechanical Properties

Strength ksi

Sample ID	Cast #	Lot #	Test Date	Ultimate Tensile	Yield 2% offset	Elongation 2" gage length
406258	28717	A11	6/15/15	43.82	38.62	8.2

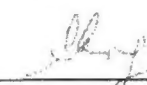
Applicable Specifications: ASTMB221-13 AMS-QQ-A200/8

Country of Origin: 85 Parkshore Drive, Brampton, Ontario CANADA L6T 5M1

Can Art Aluminum Extrusion Inc. certifies that materials shipped under this order have been inspected and tested in accordance with Aluminum Association and agreed upon customer specifications. Can Art assumes no liability for additional costs which may be incurred during the customer's manufacture and sale of its products, and is subject only to the replacement of any materials not within agreed upon specifications provided written notification is received by Can Art within 30 days from the date of shipment.

Siddharth Desai - Tensile Testing

Authorized:


Evan Eng, Quality Assurance Manager

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SHEET 5052-H32
.0400 Nom X 48.0000" X 120.0000"
PART NO. STOCK

PO/Rel 30089

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-958598-005

13Oct15

Signed by: 

Pg 1/2

ZHENGZHOU MINGTAI INDUSTRY CO., LTD
CHANGCHUN ROAD NO.6, HIGH AND NEW TECHNOLOGY ZONE,
ZHENGZHOU HENAN CHINA
TEL:+86-371-67898715 FAX:86-371-67898612

MILL TEST CERTIFICATE

TO: OLBERT METAL SALES LIMITED
989 DERRY RD. EAST, SUITE 305 MISSISSAUGA,
ONTARIO CANADA L5T 2J8

INVOICE NO.: ZOTO120201

CONTRACT NO: 1769

LOADING PORT: QINGDAO, CHINA

DESTINATION: TORONTO, CANADA

SHIPPING MARKS: N/M

DATE: FEB, 21, 2011

DESCRIPTION OF GOODS:

ALUMINUM SHEET 3003 H14

CERTIFIED TO ALL AA, ASTM B209 - 10, AMS/QQA 250/2, AMS 4008K SPECS.

ALUMINUM SHEET 5052 H32

CERTIFIED TO ALL AA, ASTM B209 - 10, AMS/QQA 250/8, AMS 4016L SPECS.

ALUMINUM TREAD PLATE 3003 H22

CERTIFIED TO MINGTAI TREAD BRIGHT SPECS

REF:1769

CIF TORONTO, CANADA

CHEMICAL COMPOSITION

Heat No.	Alloy	Si	Fe	Cu	Mn	Mg	Zn	Ti	Cr	Others	Al
B-12011242	3003	0.068	0.563	0.113	1.127	0.016	0.007	0.025	0.01	0.15	REMAINDER
B-12011242	3003	0.066	0.563	0.113	1.127	0.016	0.007	0.025	0.01	0.15	REMAINDER
D1202001	3003	0.065	0.566	0.121	1.106	0.004	0.005	0.028	0.007	0.15	REMAINDER
D1202001	3003	0.065	0.566	0.121	1.106	0.004	0.005	0.028	0.007	0.15	REMAINDER
Z-1201YB019	3003	0.084	0.565	0.112	1.114	0.026	0.006	0.032	0.012	0.15	REMAINDER
Z-1201YB036	3003	0.08	0.556	0.115	1.114	0.005	0.006	0.023	0.008	0.15	REMAINDER
D1201132	5052	0.085	0.34	0.008	0.05	2.246	0.005	0.015	0.182	0.15	REMAINDER
D1201132	5052	0.085	0.34	0.008	0.05	2.246	0.005	0.015	0.182	0.15	REMAINDER
B-12021115	5052	0.067	0.391	0.02	0.068	2.314	0.007	0.026	0.189	0.15	REMAINDER
B-12021115	5052	0.067	0.391	0.02	0.068	2.314	0.007	0.026	0.189	0.15	REMAINDER

MECHANICAL PROPERTY

Heat No.	Alloy	Temper	Specs(in)	Tensile strength (Mpa/ ksi)	Elongn %
B-12011242	3003	H14	.04*48*96	165	24
B-12011242	3003	H14	.04*48*120	165	24
D1202001	3003	H14	.188*48*120	158	23
D1202001	3003	H14	.188*48*96	158	23

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SHEET 5052-H32
".0400 Nom X 48.0000" X 120.0000"
PART NO. STOCK

PO/Rel 30089

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BL PEC-958598-005

13Oct15

Signed by: 

Pg 2/2

Z-1201YB019	3003	H22	.125*60*144	133	19	21
Z-1201YB038	3003	H22	.188*48*144	139	20	20
D1201132	5052	H32	.188*60*120	215	31	12
D1201132	5052	H32	.188*60*144	215	31	12
B-12021115	5052	H32	.04*48*96	221	32	12
B-12021115	5052	H32	.04*48*120	221	32	12

PRODUCER: ZHENGZHOU MINGTAI INDUSTRY CO., LTD

ZHENGZHOU MINGTAI INDUSTRY CO., LTD
郑州明泰实业有限公司

竹新

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 304L
2.50" DIA X 144.0000"
PART NO. STOCK

PO/Rel 30089

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results
BL PEC-958598-003
13Oct15
Pg 1/1



METALLURGICAL TEST REPORT

740 Imperial Road North

Certificate: 45397 1

Customer: 007206 001

Mail To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Ship To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

Date: 3/30/2015 Page: 1

Steel: 304/304L

Finish: CD

Corrosion: ASTM A262-10 Prac A/E OK

Your order: PEC265143

NAS Order: PN 0050066 01

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
UNS 30400/30403 EN 10204 3.1, ASTM A464/13a
ASTM A276/43, ASTM A479/13a, ASTM A182/13 CHEM ONLY,
ASTM SA479/13, ASTM SA182/10 CHEM ONLY
AMS 5639H, AMS 5647J, AMS Q08-763C, Q08-763F, ASTM F899/11
SOLUTION ANNEAL TEMP 1900F MIN, ASTM A320/08 CL 1 GR B8
ASTM A193/10A-ASTM SA193/10 CL 1 GR B8

REMARKS:

COMPLIES W/REQUIREMENTS OF DPMR 252.225-7009 EU DIRECTIVE
2011/65/EU-ROHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

DAS
14
9:59

15/10/15

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BH0588 0		2.500		1.132	144.00	10	1	

CHEMICAL ANALYSIS

CM/Country of Meat

ES/Spain

US/United States

ZA/South Africa

JP/Japan

Lab Accreditation Bureau, ISO/IRC 17025, Certificate# L2323

Chemical Analysis per ASTM A751/06

HEAT	CM	C %	CO %	CR %	CU %	NI %	NI %	P %
T5C1	DS	.0230	.1830	18.1080	.4210	1.3430	.3620	.0749
							8.5275	.0335

S % SI %
.0290 .2895

MECHANICAL PROPERTIES

Product Id	1 d o i c r	HB No.	.2YS KSI	UTS KSI	RA %	Elong % 2"
BH0588 0	R L	200.0	97.00	112.00	54.00	37.00

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy
of the test methods used, the material meets the specifications stated. These results relate only to the items
tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

ABRIEET BHAVE -
3/30/2015

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM ROUND BAR 6061-T6511

.50" DIA X 144.0000"

PART NO. STOCK

PO/Tel 30089

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-958598-008

13Oct15

Signed by: 

Pg 1/1



LB ALUMINIUM BERHAD
(138535-V)

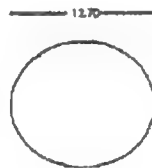


ALUMINIUM EXTRUSION

TEST CERTIFICATE

CUSTOMER : THYSSENKRUPP MATERIALS NA	SECTION NO. : PE01649MF03660	DATE : May-20-2015
SALES ORDER NO. : 1526895	WORK ORDER : 514033	ALLOY : 6061-T6511
PRESS NO. : 1101	EXTRUSION DATE : Apr-12-2015	CERTIFICATE NO. : MCERT1504890
CUSTOMER PO NO. : PEC-266013		

Section Sketch :



DAS
14
9-89 15/10/15

Thickness = 12.70 mm

CHEMICAL COMPOSITION

Composition	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Analysis Ref.:
Min	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	Remainder	76465 Mar-25-2015
Max	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15		
Actual	0.749	0.229	0.186	0.133	1.049	0.062	0.026	0.010		

MECHANICAL PROPERTIES (Result shown is tested by LBALUM)

	Tensile Strength N/mm ²	Yield Stress N/mm ²	Elongation (%)
Standard	260	240	6
Result	262.85	242.56	13.66

Compliance with ASTM B221M-07

We hereby certify that the material covered by this report has been verified or tested according to the either standard sampling method or the requirements of any specifications or requirements described herein, and that sample representative of the material met the composition limits and had the mechanical properties shown. Also, note that mercury is not a normal contaminant in aluminum alloys. Neither mercury nor any of its compounds are used in the manufacture of our extrusion. This certificate conforms to 2.1, EN 10204

** This certificate of Analysis has been produced electronically and is valid without signature **

Lot 11, Jalan Perusahaan 1, Kawasan Perusahaan Beranang, 43700 Beranang, Selangor Darul Ehsan, Malaysia.

Tel: 603-8723 8822 (15 Lines) Fax: 603-8723 3191 (General), 8723 7272 (Sales), 8727 1218 (Export)

Enquiry@lbalum.com.my www.lbalum.com

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
STAINLESS STEEL ROUND BAR 304L
3.75" DIA X 144.000"
PART NO. STOCK

PO/Rel 30089

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by: 

BL PEC-958598-004

13Oct15
Pg 1/1

Certificate of Mill Test Results



740 Imperial Road North

Certificate: 45397 12

Customer: 007206 001
CONCORD, ON L4K5C6

Mail To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Ship To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

Date: 3/30/2015 Page: 1

Steel: 304/304L

Finish: CD

Corrosion: ASTM A262-10 Prac A/E OK

Your order: PEC265143

NAS order: PN 0050066 02

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
UNS 30400/30403 EN 10204 3.1, ASTM A484/13a
ASTM A276/13, ASTM A479/13a, ASTM A182/13 CHEM ONLY,
ASTM A479/13, ASME SA182/10 CHEM ONLY
AMS 5639H, AMS 5647J, AMS QCS-763C, QCS-763F, ASTM F899/11
SOLUTION ANNEAL TEMP 1900F MIN, ASTM A320/08 CL 1 GR B8
ASTM A193/10A-ASME SA193/10 CL 1 GR B8

REMARKS:

COMPLIES W/REQUIREMENTS OF DEAR 252.225-7009 EU DIRECTIVE
2011/65/EU, ROHS, EAF+MOD+CC, NO WELD REPAIR, MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

DAS
14
9-89
15/10/15

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
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BH0777 4		3.750		1.336	144.00	13	1	
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CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Lab Accreditation Bureau, ISO/IEC 17025, Certificate# 12323
Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	MN %	NO %	N %	NI %	P %
TSB7	US	.0185	.2080	18.1660	.4040	1.5260	.3420	.0739	8.5030	.0310

S %	SI %
.0300	.2080

MECHANICAL PROPERTIES

Product Id	1 d o l c e	HB MO.	.2YS KSI	UTS KSI	RA %	Elmg % 2"
BH0777 4	R L	210.0	92.28	107.62	70.95	43.00

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.



THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SHEET 5052-H32
 .0640 Nom X 48.0000" X 96.0000"
 PART NO. STOCK

PO/Rel 30089

We certify that this is a true copy of the report
 furnished by the producer of the metal, or data
 resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-958598-006

13Oct15

Signed by: 

Pg 1/1

GKO ZHEJIANG GKO ALUMINUM STOCK CO.,LTD.

XINTAO, FENGJIANG, LUQIAO, TAIZHOU, ZHEJIANG, CHINA

TEL: +86 576 82696583 FAX: +86 576 82696589

PACKING LIST

TO:
 TA CHEN INTERNATIONAL, INC
 5855 OBISPO AVE.
 LONG BEACH, CA 90805, USA
 TEL: 562-808 8199
 FAX: 562-808-8110
 B/L NO.: MSCU0830444
 ISF NO.:
 I ID: 2015-01-22

Date: 2015-1-22
 Invoice: C107343-1
 Contract No.: N07343
 Loading Port: Ningbo, China
 Destination: TORONTO

NO.	PO NO.	DESCRIPTION OF GOODS:	ALLOY & TEMPER	SPECIFICATION (inch)	LOT NO.	N/W (lbs)	G/W (lbs)	PIECE	CBM	PALLET
1	N07343	SHEET	5052H32	0.063*48*96	514112965-1	4067	4189	148	1.3	1
2	N07343	SHEET	5052H32	0.063*48*96	514122139-5	2456	2584	89	1.3	1
3	N07343	SHEET	5052H32	0.08*48*96	514122156-1	4116	4242	120	1.3	1
4	N07343	SHEET	5052H32	0.08*48*120	514122145-1	3900	4048	89	1.6	1
5	N07343	SHEET	5052H32	0.125*48*96	514112921-2	2394	2509	44	1.3	1
6	N07343	SHEET	5052H32	0.125*48*96	514113064-1	3679	3805	68	1.3	1
7	N07343	SHEET	5052H32	0.125*48*96	514113064-2	3783	3902	70	1.3	1
8	N07343	SHEET	5052H32	0.125*60*120	514112264-1	3181	3382	38	1.6	1
9	N07343	SHEET	5052H32	0.125*60*120	514112264-2	3197	3395	38	1.6	1
10	N07343	SHEET	5052H32	0.125*60*120	514112264-3	3525	3726	42	1.6	1
11	N07343	SHEET	5052H32	0.19*48*96	514115001-4	4145	4220	50	1.3	1
12	N07343	SHEET	5052H32	0.19*48*96	514122179-1	3161	3245	38	1.3	1
TOTAL						31604	32447	838	10.6	12
CONTAINER NO. GDU2426378						SEAL NO. 1506				

(18872KGS)(19616KGS)

ZHEJIANG GKO ALUMINUM STOCK CO.,LTD.

浙江巨科铝业股份有限公司
 ZHEJIANG GKO ALUMINUM STOCK CO.,LTD.



MATERIAL RECEIPT INSPECTION FORM

MATERIAL M303
DATE 15/10/15

PO / BATCH NO 30089/133368

MATERIAL CERT REC'D yes
QUANTITY RECEIVED 12'
QUANTITY INSPECTED 12'
QUANTITY REJECTED _____

THICKNESS ORDERED RB.625
THICKNESS RECEIVED RB.625
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL	(Y)	N	
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT MATERIAL	(Y)	N	
CORRECT REF # TO LINK CERT	(Y)	N	
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

Testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY <u>14</u>	SIGNED OFF BY _____		
DATE <u>15/10/15</u>	DATE _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL M303
DATE 15/10/15

PO / BATCH NO 30089/133368

MATERIAL CERT RECD yes
QUANTITY RECEIVED 60'
QUANTITY INSPECTED 60'
QUANTITY REJECTED _____

THICKNESS ORDERED RB .750'
THICKNESS RECEIVED RB .750
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

DESCRIPTION	NCR (Check Y,N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY	<u>DAS</u> <u>14</u> <u>9-89</u>	SIGNED OFF BY	
DATE	<u>15/10/15</u>	DATE	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL M304
DATE 15/10/15

PO / BATCH NO 30089/133368

MATERIAL CERT RECEIVED yes
QUANTITY RECEIVED 12'
QUANTITY INSPECTED 12'
QUANTITY REJECTED _____

THICKNESS ORDERED RB .250
THICKNESS RECEIVED RB .250
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

DESCRIPTION	NCR (Check Y-N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N <input type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N <input type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	H1RB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY <u>14</u>	SIGNED OFF BY _____		
DATE <u>15/10/15</u>	DATE _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL M.304
DATE 15/10/15

PO / BATCH NO 30089/133368

MATERIAL CERT REC'D yes
QUANTITY RECEIVED 12'
QUANTITY INSPECTED 12'
QUANTITY REJECTED _____

THICKNESS ORDERED RB.375
THICKNESS RECEIVED RB.375
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

DESCRIPTION	NCR (Check Y,N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT REF # TO LINK CLRT	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

Testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY <u>14</u>	SIGNED OFF BY _____		
DATE <u>15/10/15</u>	DATE _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL M6061 T6
DATE 15/10/15

PO / BATCH NO 30089/133368

MATERIAL CERT RECD yes
QUANTITY RECEIVED 60'
QUANTITY INSPECTED 60'
QUANTITY REJECTED _____

THICKNESS ORDERED .750X.125
THICKNESS RECEIVED .750X.125
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

DESCRIPTION	NCR (Check Y,N)		COMMENTS
SURFACE DAMAGE	Y	<u>N</u>	
CORRECT FINISH	<u>Y</u>	N	
CORROSION	Y	<u>N</u>	
CORRECT GRAIN DIRECTION	<u>Y</u>	N	
CORRECT MATERIAL	<u>Y</u>	N	
CORRECT THICKNESS	<u>Y</u>	N	
PHOTO REQUIRED	Y	<u>N</u>	
CORRECT MATERIAL	<u>Y</u>	N	
CORRECT REF # TO LINK CLRT	<u>Y</u>	N	
CORRECT MATERIAL IDENTIFICATION	<u>Y</u>	N	
CORRECT M# ON THE MATERIAL	<u>Y</u>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY <u>DAS</u>	SIGNED OFF BY _____		
DATE <u>15/10/15</u>	DATE _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL M6061T6
DATE 15/10/15

PO / BATCH NO 30089/133368

MATERIAL CERT RECD yes
QUANTITY RECEIVED 24'
QUANTITY INSPECTED 24'
QUANTITY REJECTED _____

THICKNESS ORDERED RB .500
THICKNESS RECEIVED RB .500
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

DESCRIPTION	NCR (Check Y, N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

Testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY <u>14</u>	SIGNED OFF BY _____		
DATE <u>15/10/15</u>	DATE _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO30089**

Purchase Order Date 10/9/2015

PO Print Date 10/9/2015

Page Number 1 of 6

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Customer POID	
Ship To Contact		Customer Tax #	10127-2607
Ship To Phone		Terms	Net 30
Ship Via:	VENDOR'S TRUCK	Currency	CAD
Ship Acct:		FOB	FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M303R0.625	303 Round Bar 0.625"	10/16/2015 Yes 10/16/2015		12.00 f	\$3.00	\$36.00

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

Line Total: \$36.00

2	M303R0.750	303 Round Bar 0.750	10/16/2015 Yes 10/16/2015		60.00	\$3.55	\$213.00
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MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

Line Total: \$213.00

Note:

10/9/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO30089**

Purchase Order Date 10/9/2015

PO Print Date 10/9/2015

Page Number 2 of 6

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

905 669 9444

Ship To Contact

Ship To Phone

Ship Via:

VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

3	M304R.250	304 SS Round bar .250	10/16/2015	12.00	\$2.92	\$35.00
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Yes

10/16/2015

MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276

(NOTE: AISI 303 NOT ACCEPTABLE)

Line Total: \$35.00

4	M304R0.375	304 ROUND BAR 0.375	10/16/2015	12.00	\$2.92	\$35.00
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Yes

10/16/2015

MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276

(NOTE: AISI 303 NOT ACCEPTABLE)

Line Total: \$35.00

5	M5052H32S.040	5052-H32 .040 Sheet	10/16/2015	40.00	\$1.59	\$63.50
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Yes

10/16/2015

MATERIAL: 5052-H32 ALUMINUM SHEET AS PER
QQ-A-250/8 OR AMS-QQ-A-250/8 OR AMS 4016 OR ASTM B209

Line Total: \$63.50

Note:

10/9/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
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PURCHASE ORDER

Purchase Order ID **PO30089**

Purchase Order Date 10/9/2015

PO Print Date 10/9/2015

Page Number 3 of 6

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

6	M5052H32S.063	5052-H32 .063 Sheet	10/16/2015	32.00	30	\$2.18	\$69.60
			Yes	sf			
			10/16/2015				

MATERIAL: 5052-H32 ALUMINUM SHEET AS PER
QQ-A-250/8 OR AMS-QQ-A-250/8 OR AMS 4016 OR ASTM B209

Line Total: \$69.60

7	M6061T6B00750X00.125	6061-T6 Bar .750 x .125	10/16/2015	60.00		\$0.58	\$35.00
			Yes	f			
			10/16/2015				

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$35.00

8	M6061T6R0.500	6061-T6 Round Bar .500"	10/16/2015	24.00		\$1.46	\$35.00
			Yes	f			
			10/16/2015				

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Note:

10/9/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
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PURCHASE ORDER

Purchase Order ID **PO30089**

Purchase Order Date 10/9/2015

PO Print Date 10/9/2015

Page Number 4 of 6

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Customer POID	
		Customer Tax #	10127-2607
Ship To Contact		Terms	Net 30
Ship To Phone		Currency	CAD
Ship Via:	VENDOR'S TRUCK	FOB	FCA – (Free Carrier)
Ship Acct:			

Line Total: \$35.00

9	M7075T6B5.000X0.375	7075-T6 BAR 5.000" X 0.375"	10/21/2015	12.04	\$22.09	\$266.00
			Yes	f		
			10/21/2015			

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

Line Total: \$266.00

10	M7075T6B6.000X0.250	7075-T6 BAR 6.000" X 0.250"	10/21/2015	24.08	\$16.20	\$390.00
			Yes	f		
			10/21/2015			

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

Line Total: \$390.00

Note:

10/9/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
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Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO30089**

Purchase Order Date 10/9/2015

PO Print Date 10/9/2015

Page Number 5 of 6

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

11	M7075T6B3.000x04.000	7075-T6 BAR 3.000' X 4.000" Grain along 3"	10/21/2015	6.00	\$101.50	\$609.00
		Yes	10/21/2015	f		

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

Line Total: \$609.00

12	M174B0.250X4.000	17-4 SS Bar .250 X 4.00	10/21/2015	10.00	\$38.20	\$382.00
		Yes	10/21/2015	f		

MATERIAL: 17-4 PH SS BAR AS PER AMS 5604/5643
GRAIN MUST BE ALONG LENGTH OF BAR
MINIMUM YIELD TENSILE STRENGTH = 100KSI
MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI

Line Total: \$382.00

Note:

10/9/2015



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PURCHASE ORDER

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Purchase Order Date 10/9/2015

PO Print Date 10/9/2015

Page Number 6 of 6

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Customer POID	
		Customer Tax #	10127-2607
Ship To Contact		Terms	Net 30
Ship To Phone		Currency	CAD
Ship Via:	VENDOR'S TRUCK	FOB	FCA - (Free Carrier)
Ship Acct:			

13	71401-45	PROCUREMENT QUALITY CLAUSES	10/16/2015	1.00	\$0.00	\$0.00
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No

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

10/16/2015

Line Total: \$0.00

PO Total: \$2,169.10

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 2

Change Date: 10/9/2015